

More Practice Ch. 6

Name _____

Change forms: $\log \longleftrightarrow \exp$

Per. _____ Team _____

1) $\log_5(4x+7) = 2x$ 2) $(6x)^{4y} = x+1$

Solve. Exact & simplified.

3) $5^{x-8} = \left(\frac{1}{25}\right)^{2x}$ 4) $3^x \cdot 9 = 3^{6x}$

Solve. Round to hundredths place when needed.

5) $\log_8 x = 2$ 6) $4^x - 3 = 2$ 7) $6(3^x) = 12$

Find the inverse equation.

8) $f(x) = 3\sqrt{x-3} + 8$

9) $g(x) = 2x^7 - 10$

10) Find the standard form equation of the parabola through $(-1, 2)$ $(3, -2)$ and $(5, -28)$